

From qrp-1@lehigh.edu Thu Jun 22 09:21:13 1995  
Message-Id: <9506220919.AA02404@royac8.royac.iac.es>  
From: Goran Hosinsky <hosinsky@royac.iac.es>  
Subject: <didn't bother with a subject>  
Date: Thu, 22 Jun 1995 05:21:13 EDT

Subject Re: G5RV <> 30m:  
Reply-to: Goran Hosinsky <hosinsky@royac.iac.es>  
BCC: hosinsky@royac.iac.es

Using paralell RG-8 underground might give high loss, depending on the SWR. The line impedance would be 100 ohm and the loss on the line would be the same as a single RG-8 with the actual SWR (taking in account the different impedances of the lines).

73  
Goran ea8yu hosinsky@royac.iac.es

From qrp-1@lehigh.edu Fri Jun 23 02:22:03 1995  
Message-Id: <199506222336.JAA01603@eos.xx.rmit.EDU.AU>  
From: david@rmit.edu.au (David Taylor)  
Subject: AB4EL Mobile Antenna Brackets  
Date: Thu, 22 Jun 1995 22:22:03 EDT

Hi All!

Steve/AB4EL <ab4el@Cybernetics.NET> supplied a URL to GIF's of his field day outing.....

>For a view of a Field Day Mobile that meets those criteria, GIFs  
>of my "stationary" mast mobile set up are to be found in:  
>  
>ftp SunSITE.unc.edu /pub/academic/agriculture/agronomy/MOBILE-GIFS  
>  
>and that setup was used by me in QRP MOBILE contacts on 40 M and  
>160 M during the 1994-95 SSB QRP-L contest.

I loved Steve's pictures of his mobile antenna brackets mounted straight on the panels of the car!! True amateur dedication is drilling holes in car panels.

72

David Taylor

Amateur Radio: VK3JKP

Computer Centres  
RMIT (Bundoora Campus)  
Melbourne 3083 Australia

CW Ops QRP Club (VK, No 423)  
Internet: david@rmit.edu.au

From qrp-1@lehigh.edu Thu Jun 22 15:29:00 1995  
Message-Id: <950622112639\_100082980@aol.com>  
From: JCoote@aol.com  
Subject: Allband transmitter for Sony ICF2010?  
Date: Thu, 22 Jun 1995 11:29:00 EDT

I know there are other "separates" and some good transceivers around, but I am thinking about building an 8 or 9 band companion transmitter for my Sony ICF-2010 receiver. (The receiver seems OK for general CW work, but would need filtering for pileups).

What I had in mind is a 5 watt wideband transmitter with VXO and built-in tuner. I saw one companion transmitter for an ICF2010 in the QRP QUARTERLY that looked pretty good. I saw another design in the QUARTERLY which used a VXO on a high frequency, along with a mixer in order to get a wider freq range out of the VXO on lower bands. My "sidetone" will be my own CW signal in the receiver; the receive antenna port shorted when transmitting, and diode-protected. (Afraid I don't have the QQ articles in front of me).

One potential problem I see in using a companion transmitter is the oscillator in the transmitter. The oscillator if fundamental, will be heard constantly in the receiver.... called a BACKWAVE by old timers, I believe. (I tried this already with an ARRL 6 watt 14 MHz transmitter and my ICF-2010). If you decide to key the oscillator, then the signal may chirp. That mixer-VXO idea with spot switch sounded pretty good to me.

Has anyone had experience with "separates" and SWL receivers, backwave, horror stories, etc?

Thanks,

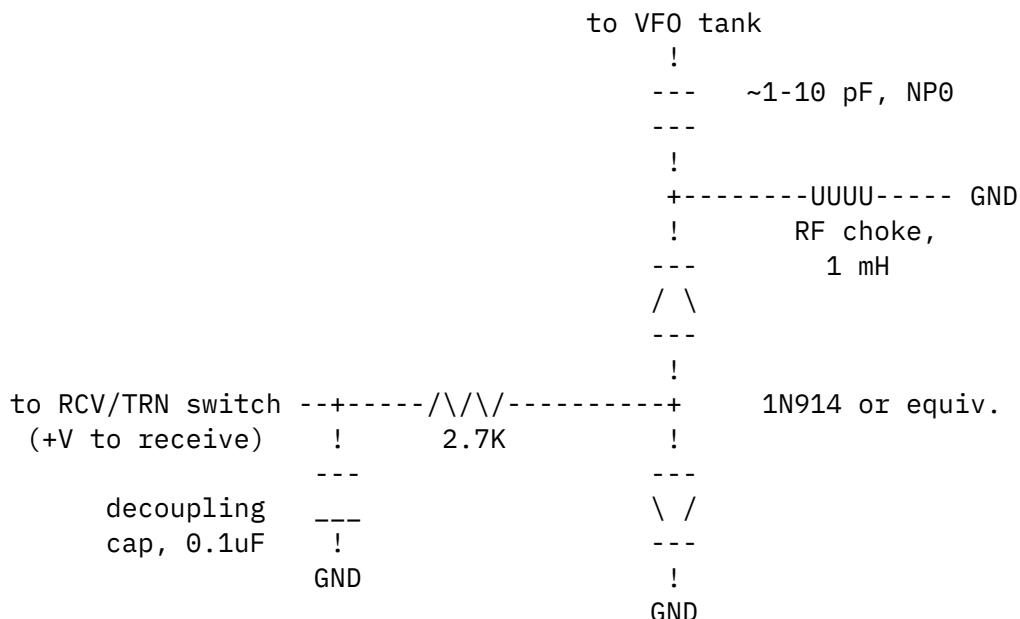
J dweeoop dweeoop (keyed oscillator)

From qrp-1@lehigh.edu Thu Jun 22 17:12:49 1995  
 Message-Id: <9506221642.AA24257@us4rnc.pko.dec.com>  
 From: "N100Q Tom R. @ MR01 22-Jun-1995 1207" <randolph@est.enet.dec.com>  
 Subject: RE: Allband transmitter for Sony ICF2010?  
 Date: Thu, 22 Jun 1995 13:12:49 EDT

> One potential problem I see in using a companion transmitter is the  
 > oscillator in the transmitter. The oscillator if fundamental, will be heard  
 > constantly in the receiver.... called a BACKWAVE by old timers, I believe.

Yep, it's been done! My HF station consists of a homebrew 40m TX, and a Rat Shack DX440 RX. One way to handle the "backwave" problem is to include a simple frequency offset ckt in the VFO, assuming it's fundamental. This need be little more than a small value NP0 cap and back-to-back series diodes. The diodes are biased on with the flip of a switch, completing the ckt and shifting the osc freq a KHz or two, enough to get it out of your RX passband. I did this in my homebrew, works great, but it sure ain't QSK! Your osc stays on, so it does all its drifting when you turn the rig on and settles down. You'll have to key the amps after the VFO, rather than the VFO itself...

I'm gonna be re-building that TX to work with a companion RX soon, so this ckt will go away, along with the TX's VFO. A xtal osc and mixer will replace it. If you're really ambitious you could try to tap the Sony's osc and get synthesized TX freq control...



-Tom R. N100Q randolph@est.enet.dec.com

From qrp-1@lehigh.edu Thu Jun 22 13:17:29 1995  
Message-Id: <9506221316.AA05488@ig1.att.att.com>  
From: mvjfm@mvubr.att.com (James M Fitton 508 960 2577)  
Subject: Arnt Gell Cells wonderful ?  
Date: Thu, 22 Jun 1995 09:17:29 EDT

Yes, HA !

It is gell cell charging time again !

My tiny motorcycle battery wall charger died.  
I took it apart and it was simply a transformer  
and diode rectifier putting out about 17vdc.

I found another, bigger motorcycle battery wall charger  
and put a current limiting series resistor in the lead.  
(experiment)

I selected the resistor value so the current delivered  
to a low charged battery, is way less than one tenth  
the rated amp-hour capacity indicated on the side of  
the battery.

ie.....7 AH battery gets about 250 ma.

I monitor very carefully the charging voltage. Full  
charge is indicated on a chart on the side of the battery,  
and when it gets there, I disconnectp \*immediately\* .

This is my 6th year on the Yeasu 7 amp hour battery  
and the operating voltage has gone from 13.8v then,  
to 12.8 v. now. But It still runs the Argo 509 all  
weekend.

Time for a new one though. Anyone have a battery source ?

Happy charging !

W1FMR

From qrp-1@lehigh.edu Thu Jun 22 14:34:28 1995

Message-Id: <9506221636.A10233@ccgate.ari.ch>  
From: Urs Schlegel <schlegel@ccgate.ari.ch>  
Subject: Re: Arnt Gell Cells wonderful ?  
Date: Thu, 22 Jun 1995 10:34:28 EDT

To qrp-1 de Urs, HB9HAU

W1FMR wrote:

>This is my 6th year on the Yeasu 7 amp hour battery and the operating  
>voltage has gone from 13.8v then, to 12.8 v. now. But It still runs the  
>Argo 509 all weekend.

You can try to "renew" your battery by using 2.35V/cell (14.1V for a 12V battery) for charging. Lead Acid or Gel Cell batteries are charged by controlling the charging voltage (compared with NiCad batteries where you control the charging current). You wan't need a current limiter if you use a voltage between 2.25-2.3 V/cell (6.75-6.9 V (6V nominal) or 13.5-13.8 V (12 V nominal). The current will be limited by the "inner resistance" of the battery himself. If you like to quick-charge the battery you use 2.5 V/Cell with a maximum starting current of 0.25 C where C is the capacity in Ah of the battery. Load until the loading current has dropped to 0.01- 0.02 C. I usually use 2 x 6 V batteries. I can charge them from any 12 V source e.g. car battery, connected in parallel and charged with a selfmade voltage regulator (7805 with diode to ground) of 6.9 V. For use, I connect them in series and have my 12 V source.

73 de Urs, schlegel@ccgate.ari.ch

From qrp-1@lehigh.edu Thu Jun 22 12:48:36 1995  
Message-Id: <9506221246.AA02441@royac8.royac.iac.es>  
From: Goran Hosinsky <hosinsky@royac.iac.es>  
Subject: ARRL email address  
Date: Thu, 22 Jun 1995 08:48:36 EDT

I am trying to reach ARRL at person@arrl.org but get a  
unknown host reply. Have they changed addres? Can somebody  
give me the numerical address?

Saludos

Goran ea8yu hosinsky@royac.iac.es

From qrp-1@lehigh.edu Thu Jun 22 13:08:09 1995  
Message-Id: <95Jun22.090711edt.14522-3+11@hooch.CC.Lehigh.EDU>  
From: Jim Eshleman <lujce@hooch.CC.Lehigh.EDU>  
Subject: Re: ARRL email address  
Date: Thu, 22 Jun 1995 09:08:09 EDT

> I am trying to reach ARRL at person@arrl.org but get a  
> unknown host reply. Have they changed addres? Can somebodydy  
> give me the numerical address?  
>  
> Saludos  
> Goran ea8yu hosinsky@royac.iac.es

Yes, I got a bounce also. It appears there's no A or MX record in the DNS for them. I'd expect someone to fix the problem there as soon as they realize they're not getting their QRP-L fix :-). What could be more important :-)

/jim

From qrp-1@lehigh.edu Fri Jun 23 02:21:00 1995  
Message-Id: <9506230120.AA16249@philadelphia.libertynet.org>  
From: adam@philadelphia.libertynet.org (Adam O'Donnell)  
Subject: Award Applications??  
Date: Thu, 22 Jun 1995 22:21:00 EDT

Sorry if this is really off topic, but...

Where would I send a application for the Rag Chewers Club?  
Can I do it over the Internet.

Sorry for the decrease in the S/N.

73

--

Adam O'Donnell, N3RCS  
Internet: adam@libertynet.org

My parents tell me that I just take up time and space. It's true -  
I'm into relativity theory.

----- PGP Public Key available upon Finger -----

From qrp-1@lehigh.edu Fri Jun 23 03:45:08 1995  
Message-Id: <1995Jun22.234347.19254@wb3ffv.ampr.org>  
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)  
Subject: Dans Small Parts surfaced yet?  
Date: Thu, 22 Jun 1995 23:45:08 EDT

Have I missed something in the last several weeks, or is Dans Small Parts and Kits still in limbo? Seems like I would have seen the announcement by now if he was back, though I haven't been able to read too much of the daily digest for a couple of weeks and might have missed it. I still have non-QRP-L people ask me about him every now and then. 73 and Queue Our Pea DE WA8MCQ

--  
Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org  
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org  
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA  
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From qrp-1@lehigh.edu Thu Jun 22 23:24:41 1995  
Message-Id: <803844047.AA02537@hamlink.mn.org>  
From: CLATON.CADMUS@hamlink.mn.org (CLATON CADMUS)  
Subject: EXPERT PIXIE 2 BUILDERS!  
Date: Thu, 22 Jun 1995 19:24:41 EDT

Just finished reading over the "Pixie 2: An Update" article in QRPP.  
I think I'd like to work on this, perhaps that empty Sucrets box!  
Anyway, did I miss something or did someone forget to include the transistor part numbers?? What transistors worked out best for you?

73 de Claton Cadmus, KA0GKC

```
-----  
| FIDOnet= Claton Cadmus 1:282./100 |  
| INTERNet= Claton.Cadmus@hamlink.mn.org |  
| PACKETnet= KA0GKC@WB0GDB.#STP.MN.USA.NA |  
-----
```

If anything I have written makes any cents, I claim copyright!  
\* SLMR 2.1a \* Megahertz 1.) When something is \*REALLY\*REALLY\* painful!

---NoSnail v1.17

\*\*\*\*\*

HAM>link< RBBS - Serving the Amateur Radio Community Since 1983

- 612/HAM-0000 v.34                      Ham Radio Spoken Here!!  
- 612/HAM-1010 v.32b                    Reply to sender @ hamlink.mn.org  
\*\*\*\*\*

From qrp-1@lehigh.edu   Fri Jun 23 02:21:21 1995  
Message-Id: <950622212604\_100492004@aol.com>  
From: Kirkekirk@aol.com  
Subject: FD antenna advice  
Date:        Thu, 22 Jun 1995 22:21:21 EDT

I will operate AA4YZ/8 in Canton, Oh with an hw-9. The antenna planned is a 40m dipole made from 100 feet of 18 gauge speaker wire with 33 feet seperated and 67 feet as lead in to an MFJ tuner. I plan to tune up the dipole on 40m thru 10m and connect the two leads on 80m and tune it as a top loaded verticle. I'm not too concerned about 80m and will spend most of my time on 40m and 20m. My objective is to work alot of stations with no concern for their location. Will this antenna do the job? In the past I've always put up as much wire as possible, but it becomes too directional. Any suggestions?

Kirk  
AA4YZ/8

From qrp-1@lehigh.edu   Thu Jun 22 15:18:46 1995  
Message-Id: <199506221517.JAA17971@zia.aoc.nrao.edu>  
From: Paul Harden <pharden@aoc.nrao.edu>  
Subject: FIELD DAY RULES & INFO  
Date:        Thu, 22 Jun 1995 11:18:46 EDT

#### FIELD DAY RULES AND INFO FOR QRP OPERATORS

Keyed in and abbreviated from May 1995 QST. Not responsible for errors or misinterpretation of rules; some info omitted for brevity.

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#### STATION CLASSES:

- "A" - Club/non-club portable, using non-commercial power, 3 or more operators, transmitters and antennas must be erected on site.
- "A BATTERY" - QRP 5W or less, battery power, otherwise same as class A
- "B" - 1-2 person portable, non-club, non-commercial power
- "B BATTERY" - QRP 5W or less, battery power, 1-2 persons, portable.



"C" - Mobile from vehicles (or maritime mobile)  
"D" - Permanent home station using commercial power.  
(NOTE" Class D cannot work other class D stations)  
"E" - Permanent home station using emergency power.  
QRP\*\*\*> If you are running a QRP station by yourself, you are a "1B"  
If 3 or more operators, 1,2 or more xmtrs, you are class "A".  
(EX: With 2 simulataneous QRP xmtrs, you are a "2A")  
QRP\*\*\*> There is NO on-the-air distinction to indicate you are QRP.  
I recommend adding QRP to your exchange: "2A ENY QRP"  
if you wish to indicate your QRP status.

#### EXCHANGE:

Exchange is your transmitters/class and ARRL/CRRL Section. Number of transmitters is the maximum number of transmitters found on the air during FD. If you have 2 transmitters, but add a 3rd for only 30 minutes, you are a 3 transmitter station for the duration of FD.

EX: If 3 simulataneous transmitters, class A in Colorado, your exchange will be: "3A CO"

#### SCORING/MULTIPLIERS:

Score= contacts x mode multiplier x power multiplier + bonus points

1. Each SSB contact = 1 point; each CW/RTTY contact = 2 points

2. Multiply contact score by POWER MULTIPLIER

times 1 for 150W or over

times 2 for 5 to 150W

times 5 for 5W or less (QRP)

QRP\*\*\*> THEREFORE, EACH CW QRP CONTACT = 10 POINTS!

3. Some nifty BONUS points:

a. 100 points for emergency power per each transmitter.

b. 100 points for setting up in a public place.

c. 100 points for obtaining some public relations (newspaper article, etc.)

d. 100 points for copying the W1AW Field Day Bulletin

QRP\*\*\*> EXAMPLE: If you are a 2A QRP station (2 simultaneous xmtrs), setup in a public place and copy the W1AW bulletin, you can ADD 400 POINTS to your score! If CNN shows up, 100 more!

#### A FEW MISC. RULES:

1. FD TIMES: 1800Z Saturday 24 June TO 2100Z Sunday 25 June
2. If you setup AT OR AFTER 1800Z Saturday, you may operate the full 27 hour period or until 2100Z Sunday.
3. If you setup BEFORE 1800Z Saturday, operate for 24 hours only following the first contact. No setup before 1800Z Friday allowed.
4. Stations must be within 1000 feet of eachother.
5. Once a contact is made on a band, you must remain on that band for at least 15 minutes, whether or not additional contacts are made.
6. No contacts allowed on the WARC bands.
7. A Novice or Tech+ station does not add to the transmitter total

8. There are some bonus points for natural/solar power, etc. See QST.

\*\*\*\*\*  
SOME OPERATOR AIDS/CHEAT SHEETS

W1AW SCHEDULE (Copy one of these FD bulletins for 100 points)  
 FREQ: 3581, 7047, 14047, 21067, 28067 KHz  
 SAT: 1400/2100/0000/0300 UTC      SUN: 1400 UTC  
 CW Bulletins sent at 18 wpm. Send copy to ARRL with score sheets  
 to receive the credit.

## ARRL/CRRL SECTION ABBREVIATIONS

|     |     |      |     |     |      |      |     |     |     |
|-----|-----|------|-----|-----|------|------|-----|-----|-----|
| *AB | DE  | ID   | *MB | NC  | NTX  | PAC  | SDG | TN  | WPA |
| AK  | EB  | IL   | MD  | ND  | NV   | PR   | SF  | UT  | WTX |
| AL  | EMA | IN   | ME  | NE  | NWT  | *QUE | SFL | VA  | WV  |
| AR  | ENY | KS   | MI  | NFL | OH   | RI   | SJV | VI  | WWA |
| AZ  | EPA | KY   | MN  | NH  | OK   | SB   | *SK | VT  | WY  |
| *BC | EWA | LA   | MO  | NLI | *ONT | SC   | SNJ | WI  |     |
| CO  | GA  | LAX  | MS  | NM  | OR   | SCV  | STX | WMA |     |
| CT  | IA  | *MAR | MT  | NNJ | ORG  | SD   | SV  | WNY |     |

### \*VE (CRRL) Sections

QRP\*\*\*> HINT: Mark off each section worked. While sections worked is not part of Field Day score, for QRP, it can be valuable in determining transmitter range, antenna performance and pattern, etc. on each band.

\*\* DUPE SHEET \*\*

STATION \_\_\_\_\_ BAND \_\_\_\_\_ MODE \_\_\_\_\_

[illegible]

This image shows a blank sheet of white paper with ten vertical dashed lines spaced evenly across its width. These lines are typically used in primary education to guide handwriting practice, creating columns for letters or words. The lines extend from the top margin to the bottom margin of the page.

SOME QRP FIELD DAY OPERATING HINTS/SUGGESTIONS:  
(Especially for first-time Field Dayers)

(exchange rig, say hi to known ops, etc.), but still keep it short.

FINALLY ... remember, Field Day is NOT legally a contest; it is an exercise. Challenge yourself, do your best, but don't take it too serious. (There's no free trip to Hawaii to loose out on). Most of all, have fun, meet new hams, enjoy the fellowship of the other club members and, did I mention HAVE FUN? And take a couple of photos to submit to your favorite QRP journal(s) and/or local ham club newsletter.

GL de Paul, NA5N

(Will be "NA5N 2A NM QRP" FD from atop a mesa near Socorro, NM)

From qrp-1@lehigh.edu Thu Jun 22 15:46:42 1995  
Message-Id: <199506221545.LAA29483@access5.digex.net>  
From: sgreene@access.digex.net (Stephan Greene)  
Subject: Re: FIELD DAY RULES & INFO  
Date: Thu, 22 Jun 1995 11:46:42 EDT

>FIELD DAY RULES AND INFO FOR QRP OPERATORS

>

>3. Some nifty BONUS points:

- > a. 100 points for emergency power per each transmitter.
- > b. 100 points for setting up in a public place.
- > c. 100 points for obtaining some public relations (newspaper  
> article, etc.)
- > d. 100 points for copying the W1AW Field Day Bulletin

>QRP\*\*\*> EXAMPLE: If you are a 2A QRP station (2 simultaneous xmtrs),  
> setup in a public place and copy the W1AW bulletin, you can  
> ADD 400 POINTS to your score! If CNN shows up, 100 more!

and don't forget:

e. 100 points for a satellite QSO (and you can hit any of the LEO birds with 5 W and some gain, AO-13 with more gain - this will be my 4th year running a 5W QRP Batt satellite station). Sat station is a "free" transmitter - doesn't change your entry class.

f. VHF tx and packet are also "free stations" - just need 10 QSOs, and it lets you use the satellite station's high-gain antennas and rig between satellite passes.

g. Novice/Tech is another free station - gives you a use for the spare Argo, 40-40, MFJ, or whatever (and who knows - there could always be an opening on 10M!)

Have fun guys!

73 & 72.....72 (propagation delay going through a satellite  
36,000 km away!)

Steve Greene

sgreene@access.digex.net ka1lm@amsat.org  
(AB4UM 3A or 4A VA for FD, from Reston, VA!)

From qrp-1@lehigh.edu Thu Jun 22 17:27:37 1995  
Message-Id: <199506221726.KAA27824@mailhost.primenet.com>  
From: aa7qy@primenet.com (Roger Hightower)  
Subject: Re: FIELD DAY RULES & INFO  
Date: Thu, 22 Jun 1995 13:27:37 EDT

>FIELD DAY RULES AND INFO FOR QRP OPERATORS

>

>Keyed in and abbreviated from May 1995 QST. Not responsible for  
>errors or misinterpretation of rules; some info omitted for brevity.

>-----

>

Very nice, Paul. Great to print out and take along. Will be QRP  
at 7700' from Tonto Lake on the White Mountain Apache Reservation.  
73, GL es hpe to CU...de Roger, AA7QY

aa7qy@primenet.com rhigh@aztec.asu.edu Ham Radio: AA7QY@KC7Y.AZ.USA.NA

From qrp-1@lehigh.edu Thu Jun 22 22:20:31 1995  
Message-Id: <199506222112.0AA12934@netcom20.netcom.com>  
From: dwebster@netcom.com (Dennis Webster)  
Subject: Re: FIELD DAY RULES & INFO  
Date: Thu, 22 Jun 1995 18:20:31 EDT

>

> >FIELD DAY RULES AND INFO FOR QRP OPERATORS

> >

> >Keyed in and abbreviated from May 1995 QST. Not responsible for  
> >errors or misinterpretation of rules; some info omitted for brevity.

> >-----

> >

> Very nice Paul ....

>

I too Paul thought it was great. Thanks & Good Luck on FD.

--

```
-----  
|Dennis Webster WJ6H/QRP          * LESS IS MORE! *|  
|dwebster@netcom.com              |  
|-----|
```

From qrp-1@lehigh.edu Thu Jun 22 17:21:15 1995  
Message-Id: <9506221719.AA11580@seism1.ess.sunysb.edu>  
From: seront@seism1.ess.sunysb.edu (Bernard Seront)  
Subject: keyer mode questions  
Date: Thu, 22 Jun 1995 13:21:15 EDT

Well as I am trying to learn how to make some letters with a curtis keyer here comes some questions:

I bypassed the "straight key" step, and started right away with iambic paddles, any advice about this approach? (I've seen both point of view: if you don't learn with a straight key you will never be able to generate good spacing between letters, and the opposite: iambic keying is so different that if you learn something else you will need to start from scratch anyway, so why waste you time).

No going to keyer mode questions: I started with curtis mode B, which was ok until I tried to make a 2: di di dah di dah dah: ho ho, let's try mode A, and then no problem with the 2. But as I learned the letter C in mode B, it became a R in mode A (confusing sentence, isn't it?). I really had a hard time to make a good C again in mode A.

So, what do you think: which mode is better, and why? Or perhaps I should put it like this: how can I figure out which mode will better suit me? I tried to compare both configurations and found pros and cons for each one, depending on the character you want to send.  
Any help appreciated, Thank's.

Bernard, KB2TGH.

From qrp-1@lehigh.edu Thu Jun 22 20:56:48 1995  
Message-Id: <9506222055.AA02563@royac8.royac.iac.es>  
From: Goran Hosinsky <hosinsky@royac.iac.es>

Subject: Re: keyer mode questions  
Date: Thu, 22 Jun 1995 16:56:48 EDT

Try switching mode according to which character you want to send. You could use a foot switch for that.

73  
Goran ea8yu

From qrp-1@lehigh.edu Thu Jun 22 17:46:12 1995  
Message-Id: <9506221743.AA11610@seism1.ess.sunysb.edu>  
From: seront@seism1.ess.sunysb.edu (Bernard Seront)  
Subject: Re: keyer mode, another point of view  
Date: Thu, 22 Jun 1995 13:46:12 EDT

At 08:46 PM 6/21/95 EDT, rheiss@tuba.aix.calpoly.edu wrote:  
>Let's rephrase the description of the two iambic modes:  
>  
> NORMAL IAMBIC KEYING  
>  
> \* If the dot paddle is pressed while sending a dash, a dot is appended.  
>  
> \* If the dash paddle is pressed while sending a dot, a dash is appended.  
>  
> CURTIS-CULT KEYING  
>  
> \* If the dot paddle is pressed while sending a dash, a dot is appended,  
> except if both paddles are released.  
>  
> \* If the dash paddle is pressed while sending a dot, a dash is appended,  
> except if both paddles are released.  
>  
>>From this point of view the keyer isn't alternating between dashes and  
>dots when both paddles are squeezed, instead it is remembering and inserting  
>dots in a string of dashes, and/or remembering and inserting dashes in a  
>string of dots. Curtis "A" keying seems to have more complex logic.  
>  
>When discussing why some keyers tend to produce extra dots, be careful  
>not to confound the A vs B issue with another design issue: how early  
>are the memories enabled? When sending the letter U for example, if the  
>dot memory is enabled at the very start of the dash, a sluggish operator  
>may have not yet released the dot paddle and an F would be sent by the  
>normal keyer. More "forgiving" keyers such as the Accukeyer and the  
>Super CMOS allow more time for the dot paddle to be released before

>remembering a dot, so the U is sent as intended and the op stays happy.  
>--  
>didit didit,  
>  
>Rob Heiss K06KA  
>rheiss@tuba.calpoly.edu

I am confused again with that, what does normal iambic and Curtis cult keying mean?

I read back the description of type "A" and type "B" iambic keying in the Curtis 8044 application note, and here is the essential:

The difference between A and B appears only when you do squeeze keying (i.e. "you use the iambic property of the keyer to create a string of alternating dots and dashes when both paddles are squeezed"):

"In the original Curtis method (< type A>), when a squeeze is released, the element underway is completed and nothing else follows."

"In type "B" iambic, a squeeze released during an element (dot or dash) will cause another alternate element to follow the one being produced."

Type B "further reduces the effort to produce some letters"... "But at high speed the necessity to release during the (very short) dit period may be difficult"

So what do you think: A or B? Or perhaps the modern computerized keyers have more fancy modes to offer.

Bernard, KB2TGH.

From qrp-l@lehigh.edu Fri Jun 23 02:21:42 1995  
Message-Id: <199506222311.RAA18284@zia.aoc.nrao.edu>  
From: Paul Harden <pharden@aoc.nrao.edu>  
Subject: List of QRP FD Stations  
Date: Thu, 22 Jun 1995 22:21:42 EDT

QRP-L Reports of FD Stations:

| CLUB/GROUP          | FD CALL | CLASS & QTH                     |
|---------------------|---------|---------------------------------|
| Albuquerque ARC     | WB5LYJ  | 2A Albuquerque, NM              |
| Some Arizona guys   | AA7QY   | White Mountain (Tonto Lake), AZ |
| CQC (Colorado QRP)  | K0FRP   | Elizabeth, CO (nr Denver)       |
| CQC (Colorado QRP)  | KB0LMQ  | ditto - N/T+ station            |
| New Mexico Tech ARC | KC5OR0  | 2A Socorro, NM on Tech campus   |



|                    |       |                                 |
|--------------------|-------|---------------------------------|
| NE-QRP             | W1FMR | Princeton, MA at Windmill Farm  |
| Northern NH ARC    | K1LGQ | 1A Holderness, NM (Squarm Lake) |
| NorTEX             | NA5K  | 1A Richardson, TX               |
| NM Desert Ratt QRP | NA5N  | 2A Nr. Socorro, NM              |
| NW-QRP             | W7RX  | Bay Center, WA (nr Seattle?)    |
| St. Louis QRP Club | NF0R  | St. Louis, MO                   |
| Ski Country ARC    | KI0G  | Glenwood Springs, CO            |

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Information as derived from QRP-L posts last couple of days and email.  
 If you want added, email me (or post QRP-L) and I'll add you, but I  
 won't be able to update and post until Friday evening.

Paul NA5N

"2A NM QRP" along with Chuck W5UXH, Doug AB5WT and Dave N1IRZ  
 dik dik (Field Day key clicks!)

From qrp-l@lehigh.edu Fri Jun 23 03:04:17 1995  
 Message-Id: <Pine.OSF.3.90.950622230140.16214E-100000@govonca2>  
 From: Brien Pepperdine <pepperb@govonca2.gov.on.ca>  
 Subject: Re: List of QRP FD Stations (fwd)  
 Date: Thu, 22 Jun 1995 23:04:17 EDT

The Durham Region QRP Club, with amateurs from the Greater Toronto Area,  
 will be operating Field Day from a member's summer house near Tyrone,  
 Ontario. This is just north-east of Toronto about 50 km.

We will be on 20, 30, 80, 10/15 cw, with hops up to SSB if too many dupes  
 are showing up at a moment on cw. We are 100% qrp and 100% battery.

Club call is VE3QDR (Qrp Durham Region), and we look forward to working  
 every man-jack of you if possible.

I have to work at the job this weekend, so FD is not likely for me, but Jim, Bob, Clive and the rest of the gang will welcome your report.

BTW, we won FD high score for Canada last year. And 3A, but only because the Zuni-Loopers had a bit of a forest fire to contend with I think!

VE3VAW  
Brien  
Toronto

pepperb@gov.on.ca

From qrp-1@lehigh.edu Fri Jun 23 05:54:04 1995  
Message-Id: <950623014853\_100666620@aol.com>  
From: JimN00CT@aol.com  
Subject: LM-380-8 Pin out..  
Date: Fri, 23 Jun 1995 01:54:04 EDT

Does anyone have the pin out on the LM 380-8 audio amp [8-pin version of the venerable LM 380]? Can't find it in my meager references, and would be nice for a Field Day project!

Thanks!

73, Jim N00CT

"QSO 'em all, let the ARRL sort 'em out..."

From qrp-1@lehigh.edu Thu Jun 22 20:15:06 1995  
Message-Id: <950622160942\_76228327@aol.com>  
From: RobCap@aol.com  
Subject: Miniature TNC  
Date: Thu, 22 Jun 1995 16:15:06 EDT

Hi everyone-

I'm looking for an ultra-miniature TNC, so that I can use my HP 200LX palmtop computer in a portable packet station. A PCMCIA card TNC would be ideal. Otherwise, anything in a tiny case would be the next best thing.

Does anyone know if a PCMCIA TNC is manufactured? If so, by whom?

Otherwise, any other ideas for small TNC's?

I'm not monitoring the QRP-list anymore due to time constraints, so please respond by direct E-mail.

Thanks.

73,

Rob, WA3ULH

From qrp-1@lehigh.edu Thu Jun 22 15:26:37 1995  
Message-Id: <950622112448\_100081908@aol.com>  
From: N8CQA@aol.com  
Subject: N8CQA E Mail Address  
Date: Thu, 22 Jun 1995 11:26:37 EDT

Am changing my address to N8CQA@aol.com.  
Will leave BuckN8CQA active for a month.

72/73 Buck

From qrp-1@lehigh.edu Fri Jun 23 03:59:53 1995  
Message-Id: <Pine.SUN.3.90.950622234217.4106E-1000000@merlin.nando.net>  
From: Aa4xx <aa4xx@nando.net>  
Subject: NC QRP FD  
Date: Thu, 22 Jun 1995 23:59:53 EDT

Hi gang,

The Orange County (NC) Radio Amateurs -OCRA- will be operating QRP category 6A from Camp New Hope. We'll be listening for you all on most HF bands, both CW and SSB. We will be using call AA4XX.

All hams who would like to see a QRP effort firsthand are cordially invited to come on out and give us a hand either as operators or loggers. We will have operators from several counties in the Raleigh, Durham, Chapel Hill area.

Our local weather man promises--you guessed it--thundershowers for the whole weekend.

Here's hoping you all have a great FD weekend! 72, Paul

From qrp-1@lehigh.edu Thu Jun 22 19:56:50 1995  
Message-Id: <199506221955.PAA20660@mv.mv.com>  
From: k1lgq@dennis.MV.COM (Dennis Marandos)  
Subject: Northern New Hampshire - K1LGQ FD 1-A  
Date: Thu, 22 Jun 1995 15:56:50 EDT

This is my first attempt at putting anything on the QRP-L lister. Needless to say, it isn't much, but I wanted you to know I will be operating 1-A in Holderness, NH using my Thirty-40, Forty-40 and a 20 superhetrodyne i made. I will be using dipoles for each band. Sorry, but I won't be in the New England QRP Club corner this year operating with W1FMR but I'll be sitting on the side of the (little) Squarm Lake taking in the view.

My YL friend said she hadn't the time to be with me so I am looking for other ideas to do when the band goes dim. Does anyone have anything in mind?

The New England QRP Club newsletter is finished except for one page. It will go to the printer at the end of the week and hopefully be mailed in the month of June. It is a June newsletter you know...well, at least that is what it says on the top of the front page.

I love the comments about the gas on the phone line, and I have yet to stop laughing about how the Telephone company cleans their lines by blowing dirt through all the mouth pieces. I guess I'll need a bag to catch all the lint tucked away in the receiver. Or was that cotton? I still can't catch my breath on that one.

72 from New Hampshire and look for K1LGQ 1-A NH.

Dennis Marandos - K1LGQ  
Editor - New England QRP Club newsletter

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From qrp-1@lehigh.edu Thu Jun 22 18:28:26 1995  
Message-Id: <DACDXX21.PB13128.003526130095173FDACDXX21@TCP30.DX.DEERE.COM>  
From: PB13128@deere.com  
Subject: NOTE 06/22/95 13:26:33  
Date: Thu, 22 Jun 1995 14:28:26 EDT

Subject: Using Resources Available

This is not meant to be considered a flame!! But the field day rules posting

brings up a good point. The complete rules in ASCII format has been available on the ARRL BBS for months. Contest entry forms and lots of other 'stuff' is there for the downloading. There really is life and information residing outside the information highway.

CU during field day as NN9K, 1B, battery with 2 ops. GL!

de Pete, NN9K

From qrp-1@lehigh.edu Thu Jun 22 22:20:48 1995  
Message-Id: <n1408282567.89487@msmailgw1.arlut.utexas.edu>  
From: "rohre" <rohre@arlut.utexas.edu>  
Subject: Parallel coax, NOT same as ladder!  
Date: Thu, 22 Jun 1995 18:20:48 EDT

Was at the Radio Store yesterday to pick up rig for club station at Red Cross; and thumbed thru McCoy's new Antenna Book.

There was a report of one ham on here using parallel coax as balanced line, and it worked for whatever his application was.

However, as McCoy says if it works don't knock it; but the physics are that if the application is 450 ohm balanced ladder line, 50 ohm Coaxes in parallel as described will be 25 ohm line, more of a mismatch. Given a wide range tuner at the end this might not be a problem. Given some modern tuners, and a ferrite balun they have, it will not be a matched situation, and if the SWR by some happy circumstance comes on scale, it may say the tuner/balun is dissipating the power.

Either here, or in one of the antenna books also at the store, I noted a comment that the ladder line field around it for a few inches stores the energy, that is why it is lower loss than pushing energy through the dielectrics of coax. Given that, there is no reason, if you buried a "large enough" diameter PVC pipe with ladder line duly twisted in it, for it not to suffice to keep the ladder from the effects of the soil. This would perhaps entail placing some plastic supports to suspend the line through the pipe, and insuring the pipe interior stays dry, etc. etc. but it seems feasible. On the other hand, Broadcast stations routinely work out overhead routing of transmission lines, and the KTSA antenna field split by a multi lane road comes to mind, with phasing lines to

towers on opposite sides of the road going over it on bridges. For lightning protection, it is of course better to have a buried feeder approaching your shack, but there is no reason a balun would not work out in the yard in a weather protected box, where the ladder line "might" be taken into a balun, so the remainder of the underground run in the yard could be coax. BTW, the Wireman makes a good point in his lectures that direct burial coax jacket should not be really buried, and PVC sleeving of coax in the ground will get the most service out of it.

Speaking of unconventional antenna set ups, there is a broadcast station in the middle of downtown Santa Fe NM, that has its entire ground screen elevated, and the space under it used for a parking lot! The tower is on a building in the middle of it all. Thus, special circumstances require the basics to be applied in novel ways, but QRP hams are well up to challenges, right?

72 and Luck to all on FD,  
Stuart K5KVH

From qrp-1@lehigh.edu Fri Jun 23 02:40:01 1995  
Message-Id: <950622223809.21e36910@carib.vf.mmc.com>  
From: JEVERHART@cayman.vf.mmc.com  
Subject: Portable in Orlando  
Date: Thu, 22 Jun 1995 22:40:01 EDT

Gang,

Alas, my vacation was scheduled for the Field Day weekend :-(. However, I'm taking my NC-40A. Hope to operate at least a little while during the evening of June 24. Gotta be after dark 'cuz I gotta throw a wire out the motel window! Look for a weak N2CX/4.

Other evenings I expect to run my 30-40 from the same location. That oughta be fun and I have great expectations of working some of you in the propagation study. Be back with y'all next weekend.

You know, there's this neat wire strung from Cinderella's Castle in Disney World. It's waaaay overhead and runs for several hundred feet. Think I oughta try it? Nah, guess not, Tinkerbell uses it. Pete might get mad if I fried her :-). Why does everything look like an antenna to hams?

72/73,

Joe E. N2CX

From qrp-l@lehigh.edu Thu Jun 22 15:07:16 1995  
Message-Id: <MAILQUEUE-101.950622110547.448@rcadmin.nov.add.bnl.gov>  
From: "Nick Franco - KF2PH" <NICKF@rcadmin.nov.add.bnl.gov>  
Subject: SW-30 UP and Runnin'  
Date: Thu, 22 Jun 1995 11:07:16 EDT

Hello Group,

I ordered the SW-30 from Dave NN1G a couple of weeks ago. It arrived last week. When my XYL asked what I wanted to do for father's day you can guess what my answer was. "I want to be left alone to build my new kit!" And so, with some interruptions here and there, I was able to wind, stuff and solder during the course of the day (Sunday).

The next day I began the process of wiring all the outboard stuff and coming up with a make shift enclosure(temporarily). When I was finished, I put in the IC's and checked everything. Then.... DC power .... no smoke, no funny smells, so far so good. I began the alignment procedure and nothing. Stone dead. Just a little PUHH when I plugged in the DC power plug. I played around for a while but it was after 1:00 am and I was pooped.

The next day at work I rechecked everything and the U3 and U4 IC's were interchanged (shouldn't have kept going when I was so tired). After switching these two chips, I had receive. That night at home I again attempted the alignment. I came up great. I then worked someone in Leesburg, Va. for my first contact with the SW-30.

Last night, put the whole package into a great enclosure someone gave me and drilled all the jacks and the 2 pots. I added an on/off switch and worked Georgia and Mississippi. All in all, the project went great. I'm on the air. Today, I'm going to put it up on an HP power meter and adjust the output to 1.5 watts as recommended. I guess I was running about 1 watt last night.

See you on 30 for the propagation study! I'm finally there!

72,  
Nick

Nick Franco - Brookhaven Nat'l Lab - RHIC Project  
 Building 1005 - Rm. 201 - UPTON, N.Y. 11973-5000 U.S.A.  
 tel:(516)282-5467 Ham Call: KF2PH  
 fax:(516)282-3674 ORP-NE # 349

From qrp-1@lehigh.edu Thu Jun 22 15:33:35 1995  
Message-Id: <9506221532.AA05933@plastw2.polymm.chalmers.se>  
From: adam@polymm.chalmers.se (Adam Sieminski)  
Subject: update info files, please  
Date: Thu, 22 Jun 1995 11:33:35 EDT

I've been trying to unsubscribe from qrp-1 by following advice from the  
welcoming  
file I got when I subscribed. (see below)

```
>Welcome to the qrp-1 mailing list!  
>  
>If you ever want to remove yourself from this mailing list, send the  
>following command in email to "listserv@NETCOM.COM":  
>  
>    unsubscribe qrp-1 adam@polymm.chalmers.se (Adam Sieminski)  
>
```

It didn't work until I sent the unsubscribe command to listserv@lehigh.edu  
instead of as above.

Best regards.

Bye!

Adam

```
*****  
Adam Sieminski  
Centre for Biomechanics  
Chalmers Technology Park  
412 88 Gothenburg, Sweden  
Tel: 46-31-7724283  
Fax: 46-31-827421  
Email: adam@polymm.chalmers.se  
*****
```